94. 10% of the botts produced by a machine oure is None is at most 2 batts will be defective defective, determine the puebability that out of 10 = e-npt (2+pet) = (e-pt pet) n=0 p(0)= 10(0 (10) 0 (10) = 0,3466 R=1 P(1) = 10C, (1) (9) (9) = 0.3874 9 (non-defective) = 1-1- = 9 O REDMI NOTE 9 10 (1) (1) (1) = 0.1937

O AI QUAD CAMERA 2) - 0.097 Mx(t)= E(ety) = 2 etx mcz p anin soment Generating Punction of Binomial Dist P (222) = P(0) + PU) + PR2) $M_{x-np}(t) = E(e^{t(x-np)})$ p (defective) = 100 = 10 P(n) = map m-n = e-n) E [etx) Solts choosen at nandom (9+pet) m About Origin gol'r

Gry 6 dice are thousand 729 times. How many times do you expect at least thousand dice to show of five PRA wint are expected at getting a 5000 6 wice me size = 200 PR N = 729 PERSON N = 729 Spare showowing 5000 5 PR PROCESS N = 729 PERSON Spare of the 1239 PERSON Spare o Gp3 9f the probability of hitting a torget is 10% and 10 shots one find independently what is the transe will be his at is the probability that the transe will be his at - 150 (0.68 + 0.32) frequency date: Bob that the target will be hit or least 10 once = $P(h = 1) = 1 - P(h = 0) = 1 - P(h = 0) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{9}{10}) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{9}{10}) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{9}{10}) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{1}{10}) (\frac{9}{10}) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{1}{10}) (\frac{1}{10}) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{1}{10}) (\frac{1}{10}) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{1}{10}) (\frac{1}{10}) (\frac{1}{10}) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{1}{10}) (\frac{1}{10}) (\frac{1}{10}) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{1}{10}) (\frac{1}{10}) (\frac{1}{10}) (\frac{1}{10}) = 1 - 10_{C_0} (\frac{1}{10}) (\frac{1}{10})$ Henre, the Binomial Distribution is = N(p+2) 9= 9 n=10 (Josef & on) 4=10 2 3 4 46 10 2 Mean = $\frac{25x}{25} = \frac{192}{150} = 1.28$ \$ p= 0.32 q=1-0.32=0.68 1 = 001 = d m / = 1.28 x: 0 f: 30 least once?